



Amendment Under 37 C.F.R. § 1.111
U.S. Appln No. 10/686,772

Q77942

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A printing apparatus comprising:

a plurality of print heads;

a moving member that can be moved in a main-scanning direction and that is provided with said plurality of print heads; ~~and~~

a feed mechanism for feeding a medium to be printed; and

a drive member that is connected to said moving member at a connecting section and that is for driving said moving member;

wherein dots for correcting a feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed by ejecting ink from a predetermined print head, among said plurality of print heads, while moving said moving member, and

wherein said predetermined print head is a print head other than the print head, among said plurality of print heads, that is the furthest away from said connecting section in a direction perpendicular to the main-scanning direction~~most susceptible to vibration caused by moving said moving member.~~

2. (original): A printing apparatus according to claim 1,

wherein said predetermined print head is the print head, among said plurality of print heads, that is the least susceptible to the vibration caused by moving said moving member.

3. (currently amended): A printing apparatus according to claim 1, further comprising:
~~a drive member that is connected to said moving member and that is for driving said~~
~~moving member;~~

wherein said predetermined print head is the print head that is located the closest to a connecting section at which said moving member and said drive member are connected to each other.

4. (original): A printing apparatus according to claim 3,
wherein the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed are formed on both edge sections of said medium to be printed by ejecting ink from said predetermined print head, among said plurality of print heads, while moving said moving member.

5. (original): A printing apparatus according to claim 1,
wherein the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed by ejecting ink from predetermined nozzles provided in said predetermined print head.

6. (currently amended): A printing apparatus comprising:
a plurality of print heads;
a moving member that can be moved and that is provided with said plurality of print
heads; and
a feed mechanism for feeding a medium to be printed;
~~A printing apparatus according to claim 1, further comprising:~~

a support member for supporting said medium to be printed; a suction member for sucking said medium to be printed toward said support member; and

a first detector for detecting a force by which said suction member sucks said medium to be printed;

wherein dots for correcting a feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed by ejecting ink from a predetermined print head, among said plurality of print heads, while moving said moving member, and

wherein said predetermined print head is a print head other than the print head, among said plurality of print heads, that is the most susceptible to vibration caused by moving said moving member,

wherein whether or not to form, on said medium to be printed, the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed is determined according an output value of said first detector.

7. (original): A printing apparatus according to claim 1,

wherein whether or not to form, on said medium to be printed, the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed is determined according at least one of

a value of a temperature around said printing apparatus and

a value of a humidity around said printing apparatus.

8. (original): A printing apparatus according to claim 1,

wherein the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed when power is supplied to said printing apparatus.

9. (original): A printing apparatus according to claim 1,

wherein the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed during a printing operation of said printing apparatus.

10. (original): A printing apparatus according to claim 1,

wherein the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed when said medium to be printed has been exchanged.

11. (previously presented): A printing apparatus according to claim 10, further comprising:

a detector for detecting whether or not said medium to be printed has been exchanged;

wherein when it has been detected by said detector that said medium to be printed has been exchanged, the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed.

12. (original): A printing apparatus according to claim 1,
wherein the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed when a print mode of said printing apparatus has been changed.

13. (original): A printing apparatus according to claim 1,
wherein at least two correction amounts for correcting the feed amount by which said feed mechanism feeds said medium to be printed are obtained based on said dots formed on said medium to be printed, and

wherein, based on an average value of said correction amounts that are obtained, the feed amount by which said feed mechanism feeds said medium to be printed is corrected.

14. (original): A printing apparatus comprising:
a plurality of print heads;
a moving member that can be moved and that is provided with said plurality of print heads; and

a feed mechanism for feeding a medium to be printed;
wherein dots for correcting a feed amount by which said feed mechanism feeds said medium to be printed are formed on both edge sections of said medium to be printed by ejecting ink from a

predetermined print head, among said plurality of print heads, while moving said moving member;

wherein said predetermined print head is the print head, among said plurality of print heads, that is the least susceptible to vibration caused by moving said moving member;

wherein said printing apparatus further comprises a drive member that is connected to said moving member and that is for driving said moving member;

wherein said predetermined print head is the print head that is located the closest to a connecting section at which said moving member and said drive member are connected to each other; wherein said printing apparatus further comprises:

a support member for supporting said-medium to be printed;

a suction member for sucking said medium to be printed toward said support member;

and

a detector for detecting a force by which said suction member sucks said medium to be printed;

wherein whether or not to form, on said medium to be printed, the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed is determined according an output value of said detector; and

wherein whether or not to form, on said medium to be printed, the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed is determined according at least one of

a value of a temperature around said printing apparatus and

a value of a humidity around said printing apparatus.

15. (previously presented): A printing apparatus according to claim 1, further comprising:

a detector for detecting whether or not said medium to be printed has been exchanged;
wherein when it has been detected by said detector that said medium to be printed has been exchanged, the dots for correcting the feed amount by which said feed mechanism feeds said medium to be printed are formed on said medium to be printed.

16. (previously presented): A printing apparatus according to claim 1,
wherein each of said plurality of print heads has a black nozzle row, a cyan nozzle row, a magenta nozzle row, and a yellow nozzle row.